

What is claimed is:

1. A method of organizing digital audio tracks on a predetermined media for selection by an audio player, said
5 predetermined media storing said digital audio tracks in a directory-based file system, said method comprising the steps of:

10 scanning said predetermined media to locate each of said digital audio tracks and to determine a total number of tracks;

numbering said digital audio tracks with a flat-file selection number from a first flat-file selection number to a last flat-file selection number in a flat file mode;

15 numbering each directory within said file system containing at least one of said digital audio tracks from a first directory number to a last directory number in a single-level directory mode;

20 numbering digital audio tracks within each numbered directory with an in-directory selection number from a respective first in-directory selection number to a respective last in-directory selection number;

selecting either said flat file mode or said directory mode;

25 when in said flat file mode, searching for a desired digital audio track by sequentially navigating through said flat-file selection numbers; and

30 when in said directory mode, selecting a desired directory and then searching for a desired digital audio track by sequentially navigating through said in-directory selection numbers.

2. The method of claim 1 wherein said first flat-file selection number equals 1 and said last flat-file selection number equals said total number of tracks.

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3. The method of claim 1 wherein said first in-directory selection number in each respective numbered directory is equal to 1.

4. The method of claim 3 wherein each respective
last in-directory selection number is equal to a total
number of said digital audio tracks contained within its
5 respective directory.

5. The method of claim 1 wherein said scanning step
is comprised of compiling and storing in an index table a
respective flat-file selection number, a directory number,
10 and an in-directory selection number assigned to each
digital audio track found during said scanning.

6. The method of claim 1 wherein said digital audio
tracks are identified by a respective file extension in
15 their respective file names of said file system.

7. The method of claim 6 wherein said digital audio
tracks are encoded as MP3 files.

8. The method of claim 1 wherein said predetermined
media is comprised of a CD-ROM disc.

9. An audio player for reproducing selections from a
predetermined media containing digital audio tracks stored
25 in a directory-based file system, said audio player
comprising:

a display showing selection number identifying data;
a user control interface for selecting either a flat-
file mode or a directory mode and for navigating
30 sequentially through said selection number identifying data;
and

a controller for scanning said predetermined media to
locate each of said digital audio tracks and to determine a
total number of tracks, for numbering said digital audio
35 tracks with a flat-file selection number from a first flat-
file selection number to a last flat-file selection number
in said flat file mode, for numbering each directory within
said file system containing at least one of said digital

audio tracks from a first directory number to a last
directory number in said directory mode, and for numbering
digital audio tracks within each numbered directory with an
in-directory selection number from a respective first in-
5 directory selection number to a respective last in-directory
selection number;

wherein, when in said flat file mode, said controller
is responsive to said user control interface for searching
for a desired digital audio track by sequentially navigating
10 through said flat-file selection numbers; and

wherein, when in said directory mode, said controller
is responsive to said user control interface for selecting a
desired directory and then for searching for a desired
digital audio track by sequentially navigating through said
15 in-directory selection numbers.

10. The audio player of claim 9 wherein said display
further shows an indicator according to a one of said flat
file mode or said directory mode that is selected at a
20 particular time.

11. The audio player of claim 9 wherein said
selection number identifying data shown on said display is a
flat-file selection number while in said flat file mode, and
25 wherein said selection number identifying data shown on said
display includes an in-directory selection number while in
said directory mode.

12. The audio player of claim 11 wherein said
30 selection number identifying data for said directory mode is
comprised of a directory number followed by an in-directory
selection number.

13. The audio player of claim 9 wherein said display
35 further shows a wait message during said scanning of said
predetermined media.

14. The audio player of claim 9 further comprising:

an index table compiled during said scanning of said
predetermined media for storing a respective flat-file
selection number, a directory number, and an in-directory
selection number assigned to each digital audio track found
5 during said scanning.

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